

**ABSTRACT OF THE DISCLOSURE**

A device for the transmission of digital signals between two units mobile relative to each other, in particular via non-contacting rotary joints, comprises a coding means on a transmitter side along a signal transmission path for matching a coding of the digital signals to transmission characteristics of the signal transmission path, so that  
5 an optimum transmission is achieved. An optional decoder means on a receiver side regenerates original signals so that the coding remains hidden, but a substantially more reliable transmission is achieved.